

**ABSTRACT OF THE DISCLOSURE**

Methods for mediating immune coagulation using novel antibodies and compounds are described. A protein Fgl2 having direct prothrombinase activity has been identified. Inhibitors of Fgl2 are useful in preventing and treating diseases which require a reduction in immune coagulation including bacterial and viral infections, allograft and xenograft rejection, glomerulonephritis, cancer, a number of gastrointestinal diseases and fetal loss.

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION  
International Bureau



U.S. PRO  
98/902563  
07/12/01

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification <sup>6</sup> :		A1	(11) International Publication Number: WO 98/51335
A61K 39/00, 39/395, 31/70, C12Q 1/68, C12N 15/55, G01N 33/573			(43) International Publication Date: 19 November 1998 (19.11.98)
(21) International Application Number:	PCT/CA98/00475		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).
(22) International Filing Date:	15 May 1998 (15.05.98)		
(30) Priority Data:	60/046,537 60/061,684	15 May 1997 (15.05.97) 10 October 1997 (10.10.97)	US US
(71)(72) Applicant and Inventor:	LEVY, Gary [CA/CA]; 260 Henderson Avenue, Thornhill, Ontario L3T 2M2 (CA).		
(74) Agent:	BERESKIN & PARR; 40th floor, 40 King Street West, Toronto, Ontario M5H 3Y2 (CA).		
<b>Published</b> <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>			

(54) Title: METHODS OF MODULATING IMMUNE COAGULATION

(57) Abstract

Methods for mediating immune coagulation using novel antibodies and compounds are described. A protein Fgl2 having direct prothrombinase activity has been identified. Inhibitors of Fgl2 are useful in preventing and treating diseases which require a reduction in immune coagulation including bacterial and viral infections, allograft and xenograft rejection, glomerulonephritis, cancer, a number of gastrointestinal diseases and fetal loss.